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REPORT

CD NO.

DATE OF INFORMATION 1949

DATE DIST. 30 Nov 1949

NO. OF PAGES 3

SUPPLEMENT TO
REPORT NO.

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REPORT NO.

LANGUAGE Russian

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SOURCE Newspapers as indicated.

ELECTRICAL PLANTS REPORT HIGH OUTPUT; URGE USE OF SPECTRAL ANALYSIS

MAKES GES OPERATION AUTOMATIC -- Pravda Vostoka, No 179, 10 Sep 49

The Tashkent Machinery Repair Plant of the "Uzbekenergo" Trust has begun series production of control instruments to automatize the operation of GESs. Such pilot units are now under construction for the Alma-Ata, Bakaen, and Adzhariakhal'skaya GESs. The plant is also working on automatic flow regulators for feeder sluices. These regulators have already been installed in the Ak-Kavakskaya No 2, Burdzhashskaya, and Kedyr'inskaya GESs. Regulators for the Kibrayskaya GES are nearing completion.

DEMAND SPECTRAL ANALYSIS AT PLANTS -- Leningradskaya Pravda, No 210, 6 Sep 49

There is a lack of appreciation for spectral analysis at the following plants: "Krasnaya zarya," "Electrosila," "Leningankolit," imeni Molotov, imeni Lenin, imeni Stalin. At these and other plants, this type of analysis is being introduced slowly or haphazardly.

A recent seminar, at which 41 plants and 25 institutes were represented, had only 145 participants. This number was definitely inadequate, considering the needs of Leningrad industry for personnel qualified in this line of work.

Advanced courses in metallurgy, casting and organization of production must be made to include special classes in spectral analysis.

Six new methods of spectral analysis have been developed and put to use in the "Svetlana" Plant. In 7 months, the plant has doubled the number of analyses made last year and saved 140,000 rubles.

INTRODUCE SPECTRAL ANALYSIS -- Leningradskaya Pravda, No 201, 26 Aug 49

The Armature Plant imeni Lepse, Leningrad, has put in a laboratory for spectral analysis of steel melts. Smelting and cupola furnaces are now given 24-hour laboratory service. This has tripled the number of analyses made at the plant. Uniformity of the melts has risen decisively.

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Leningradskaya Pravda, No 210, 6 Sep 49

Spectral analysis at the Plant imeni Lense has saved 500 kilograms of hydrochloric acid in 4 months. Large quantities of other chemicals have also been saved.

MACHINE-BUILDING PLANT BOASTS HIGH TECHNICAL LEVEL -- Leningradskaya Pravda, No 208, 3 Sep 49

The "Krasnogvardeyets" Plant, originator of the electric-spark machine tool and pioneer in spectral analysis, has made extensive experiments in substitute materials for electric elements. In place of scarce micanite, a ceramic made from waste materials from other Leningrad plants has been developed and a special ceramics shop for its manufacture set up. The process represents a 250,000-ruble saving to the plant each year.

The electrical engineering laboratory has found a new method of detecting sulfuric acid in chromium electrolyte. The new analysis takes 15 minutes instead of 3 days. The plant has also done extensive work in gold and silver plating, blacking armatures, refining mercury, and repairing emulsions and varnishes. Over 4,000 cutting tools have been reconditioned this year.

REORGANIZE PLANT -- Vechernyaya Moskva, No 221, 16 Sep 49

A new method of laying out patterns for stamping plates out of transformer steel has brought about large-scale reorganization of shops in the Moscow Transformer Plant. The innovation has greatly increased the productive capacity of the plant's equipment.

REPAIR PLANT PRODUCING ABOVE PLAN -- Vechernyaya Moskva, No 207, 31 Aug 49

The Moscow Electric Repair Plant produced 30 electric motors and generators above plan during the month of August.

Individual Stakhanovites are cited for work in assembly of electronic equipment, and in machining bearings and commutators.

RESTORE TURBOGENERATOR ROTOR -- Kazakhstanskaya Pravda, No 180, 14 Sep 49

The built-up rotor of a powerful turbogenerator of one of the biggest electric stations, damaged by the Germans, was turned over for repairs to the Khar'kov Turbogenerator Plant imeni Kirov. It was estimated at the time that the job would take 18 months. The rotor was repaired and put into operation within 4 months, and as a result, the country obtained an additional 600 million kilowatt-hours of electric power; also, 2 million rubles were saved in repairs. This feat of the Kirov engineers is considered to be without precedent. The repair was accomplished without unwinding the coils.

INCREASE PRODUCTION OF HIGH-FREQUENCY FURNACES -- Vechernyaya Moskva, No 210, 3 Sep 49

The Moscow "Platinopribor" Plant has begun series production of high-frequency vacuum furnaces and lighting generators.

It plans to broaden production in its ceramics shop, where it has set up powerful furnaces, hydraulic presses, and drying kilns. As a result, ceramics output should be tripled.

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TOPS HALF-YEAR PLAN -- Kommunist, No 208, 3 Sep 49

The Yerevan Electric-Machine-Building Plant has completed its half-year plan 110.8 percent. Housing development at the plant is progressing.

INTRODUCES MACHINE ACCOUNTING -- Izvestiya, No 201, 26 Aug 49

The VEG Electrical Engineering Plant, one of the largest enterprises in Latvia, has converted to machine accounting.

TEST NEW TURBINE -- Leningradskaya Pravda, No 199, 24 Aug 49

A new high-pressure turbine has been tested in the Metal Plant imeni Stalin. It runs on either of two controlled steam pressures, and is the second turbine of this type to be built. The plant is now building high-pressure turbine machinery on a series production basis.

The turbine was made from plans worked out by the Plant Construction Bureau (director, Professor Grinberg).

Sovetskaya Belorussiya, No 170, 27 Aug 49

The capacity of the new turbine built by the Metal Plant imeni Stalin in Leningrad is 25,000 kilowatts.

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